

AMENDMENT

In the Claims:

Please replace present claim 28 with the following claim 28:

28. (Twice amended) An isolated DNA molecule which comprises an expression system for the production of a calcium ion channel α_1 subunit protein which expression system comprises

a nucleotide sequence encoding a functional T-type, low voltage activated calcium channel α_1 subunit or the complement to said encoding nucleotide sequence, wherein said encoding nucleotide sequence comprises

- (a) a nucleotide sequence encoding the amino acid sequence encoded by SEQ. ID. NO: 18; or
- (b) the complement of a nucleotide sequence that hybridizes under conditions of medium hybridization stringency to the nucleotide sequence of (a).